

APPENDIX A: REFERENCES FOR REQUIRED READINGS	Page 1 of 6
TRAINING MANUAL: CASE APPROACH AND IDENTIFICATION OF BIOLOGICAL SUBSTANCES	Amendment Designator:
	Effective Date: 14-March-2006
<div> <p>APPENDIX A: REFERENCES FOR REQUIRED READINGS</p> </div> <div> <p><u>MICROSCOPY</u></p> </div> <div> <p><u>Optical Systems for the Microscope</u>, Carl Zeiss Oberkochen/Wuertt., Edition December 1967. (No further information available.)</p> </div> <div> <p><u>Image-Forming and Illuminating Systems of the Microscope: Objectives, Eyepieces, Condensers</u>, Ernst Leitz GmbH D 6330 Wetzlar Germany. (No further information available.)</p> </div> <div> <p><u>BLOOD</u></p> </div> <div> <p>Baxter, S. J. and Rees, B., “The Use of Anti-human Hemoglobin in Forensic Serology,” <i>Medicine, Science, and the Law</i>, Vol. 14: 159-162 (1974).</p> </div> <div> <p>Boorman, K. E., Dodd, B. E., and Lincoln, P. J., <u>Blood Group Serology</u>, Churchill Livingstone, Inc., London, England (1977).</p> </div> <div> <p>Culliford, B. J. and Nickolls, L. C., “The Benzidine Test,” <i>JFS</i>, Vol. 9: 175-191 (1964).</p> </div> <div> <p>Culliford, Bryan, <u>The Examination and Typing of Bloodstains in the Crime Laboratory</u>, U. S. Department of Justice, U. S. Government Printing Office, Washington, DC (1971).</p> </div> <div> <p>Gaensslen, R. E., <u>Sourcebook in Forensic Serology, Immunology, and Biochemistry</u>, U. S. Department of Justice, U. S. Government Printing Office, Washington, DC (1983).</p> </div> <div> <p>Garner, D. D., Cano, K. M., Peimer, R. S., and Yeshion, T. E., “An Evaluation of Tetramethylbenzidine as a Presumptive Test for Blood,” <i>JFS</i>, Vol. 21: 816-821 (1976).</p> </div> <div> <p>Grispino, R. R., “The Effect of Luminol on the Serological Analysis of Dried Human Bloodstains,” <i>Crime Laboratory Digest</i>, Vol.17: 13-23 (1990).</p> </div> <div> <p>Kirk, Paul L., <u>Crime Investigation</u>, John Wiley and sons, New York, NY (1974).</p> </div> <div> <p>Lee, H. C., et al., “The Effect of Presumptive Tests, Latent Fingerprint and Some Other Reagents and Materials on Subsequent Serological Identification, Genetic Marker, and DNA Testing in Bloodstains,” <i>J. Forensic Ident.</i>, Vol. 39: 339-358 (1989).</p> </div> <div> <p>MacDonell, H. L., <u>Flight Characteristics and Stain Patterns of Human Blood</u>, U. S. Department of Justice, U. S. Government Printing Office, Washington, DC (1971).</p> </div> <div> <p>Masters, R. W. and Schlein, F. C., “Factors Affecting the Deterioration of Dried Bloodstains,” <i>JFS</i>, Vol. 3: 288-302 (1958).</p> </div> <div> <p>Saferstein, R., Ed., <u>Forensic Science Handbook</u>, Prentice-Hall, Inc., Englewood Cliffs, NJ (1982).</p> </div> <div> <p>Thornton, J. I. and Maloney, R. S., “The Chemistry of the Luminol Reaction—Where to From Here?,” <i>Forensic Science Group</i>, University of California, Berkley, CA (1981). (No further information available.)</p> </div>	

APPENDIX A: REFERENCES FOR REQUIRED READINGS	Page 2 of 6
TRAINING MANUAL: CASE APPROACH AND IDENTIFICATION OF BIOLOGICAL SUBSTANCES	Amendment Designator:
	Effective Date: 14-March-2006
<p style="text-align: center;"><u>SECRETIONS</u></p> <p>Adams, Elizabeth G. and Wraxall, Brian G., "Phosphatases in Body Fluids: The Differentiation of Semen and Vaginal Secretions," <i>Forensic Science</i>, Vol. 3: 57-62 (1974).</p> <p>Alderman, Philip M. "The Lurking Sperm: A Review of Failure in 8879 Vasectomies Performed by One Physician" <i>JAMA</i> Vol 259, No. 21: 3142-3144 (1988).</p> <p>"Anti-Sperm Antibodies," <i>CAC Newsletter</i> (Sept. 1986).</p> <p>Auvdel, Michael J., "Amylase Levels in Semen and Saliva Stains," <i>JFS</i>, Vol. 31: 426-431 (1986).</p> <p>Auvdel, Michael J., "Comparison of Laser and Ultraviolet Techniques Used in the Detection of Body Secretions," <i>JFS</i>, Vol. 32: 326-345 (1987).</p> <p>Baechtel, F. Samuel, "Immunological Methods for Seminal Fluid ID," <u>Proceedings of a Forensic Science Symposium on the Analysis of Sexual Assault Evidence</u>, pp. 83-89, U. S. Department of Justice, U. S. Government Printing Office, Washington, DC (1983).</p> <p>Baxter, S. J. and Rees, B., "The Identification of Saliva in Stains in Forensic Case Work," <i>Medicine, Science, and the Law</i>, Vol. 15: 37-41 (1975).</p> <p>Baxter, S. J., "Immunological Identification of Human Semen," <i>Medicine, Science, and the Law</i>, Vol. 13: 155-165 (1973).</p> <p>Brown, K. M. and Brow, C. G., "Specificity of Two Commercial Acid Phosphatase Determination Kits with Respect to Feminine Hygiene Products and Vaginal Contraceptives," <i>JFS</i>, Vol. 19: 384-389 (1974).</p> <p>Brown, Barry L., "Anatomy, Physiology, and Biochemistry of the Female Reproductive System," <u>Proceedings of a Forensic Science Symposium on the Analysis of Sexual Assault Evidence</u>, pp. 3-19, U. S. Department of Justice, U. S. Government Printing Office, Washington, DC (1983).</p> <p>Calloway, A. R., et. al., "Location of Seminal Stains by Their Phosphorescence and Its Use in Determining the Order of Deposition of Overlapping Seminal and Bloodstains," <i>J. For. Sci. Soc.</i>, Vol. 13: 223-229 (1973).</p> <p>Chang, Thomas S. K., "Seminal Cytology," <u>Proceedings of a Forensic Science Symposium on the Analysis of Sexual Assault Evidence</u>, pp. 45-56, U. S. Department of Justice, U. S. Government Printing Office, Washington, DC (1983).</p> <p>Davies, Anne and Wilson, Elizabeth, "The Persistence of Seminal Constituents in the Human Vagina," <i>Forensic Science</i>, Vol. 3: 45-55 (1974).</p> <p>Davies, Anne, "Evaluation of Results from Tests Performed on Vaginal, Anal, and Oral Swabs Received in Casework," <i>J. For. Sci. Soc.</i>, Vol. 17: 127-133 (1977).</p> <p>Divall, Graham B., "Identification and Persistence of Seminal Constituents in the Postcoital Vaginal Tract," <u>Proceedings of a Forensic Science Symposium on the Analysis of Sexual Assault Evidence</u>, pp. 57-63, U. S. Department of Justice, U. S. Government Printing Office, Washington, DC (1983).</p>	

APPENDIX A: REFERENCES FOR REQUIRED READINGS	Page 3 of 6
TRAINING MANUAL: CASE APPROACH AND IDENTIFICATION OF BIOLOGICAL SUBSTANCES	Amendment Designator:
	Effective Date: 14-March-2006
<p>Duenholter, J. H., et al., "Detection of Seminal Fluid Constituents After Alleged Sexual Assault," JFS, Vol. 23: 824-829 (1978).</p> <p>Enos, William F., Mann, Geoffrey T., and Dolan, William D., "A Laboratory Procedure for the Identification of Semen," American Journal of Clinical Pathology, Vol. 39: 316-320 (1963).</p> <p>Enos, W. F. and Beyer, J. C., "Spermatozoa in the Anal Canal and Rectum and in the Oral Cavity of Female Rape Victims," JFS, Vol. 23: 231-233 (1978).</p> <p>Enos, W. F. and Beyer, J. C., "Prostatic Acid Phosphatase, Aspermia, and Alcoholism in Rape Cases," JFS, Vol. 25: 353-356 (1980).</p> <p>Gaensslen, R. E., Lee, Henry C., Mertens, John E., and Stolorow, Mark D., "Staining and Extracting Techniques," <u>Proceedings of a Forensic Science Symposium on the Analysis of Sexual Assault Evidence</u>, pp. 135-144, U. S. Department of Justice, U. S. Government Printing Office, Washington, DC (1983).</p> <p>Gomez, Rolando R., et al., "Qualitative and Quantitative Determinations of Acid Phosphatase Activity in Vaginal Washings," American Journal of Clinical Pathology, Vol. 64: 423-432 (1975).</p> <p>Graves, Howard C. B., Sensabaugh, George F., and Blake, Edward T., "Postcoital Detection of a Male-Specific Semen Protein," New England Journal of Medicine, Vol. 312: 338-343 (1985).</p> <p>Groth, A. Nicholas and Burgess, Ann Wilbert, "Sexual Dysfunction During Rape," New England Journal of Medicine, Vol. 297: 764-765 (1977).</p> <p>Hochmeister, M. N., Budowle, B., Rudin, O., Gehrig, C., Borer, U., Thali, M., and Dirnhofer, R., "Evaluation of Prostate-Specific Antigen (PSA) Membrane Test Assays for the Forensic Identification of Seminal Fluid", JFS, Vol. 44: 1057-1060.</p> <p>Hueske, E. E., "Techniques for Extraction of Spermatozoa from Stained Clothing: A Critical Review," JFS, Vol. 22: 596-598 (1976).</p> <p>"Identification of Seminal Fluids," American Jurisprudence Proof of Facts, Vol. 12: 319-333 (1962).</p> <p>Joshi, U. N., Subhedar, S. K., and Saraf, D. K., "Effect of Water Immersion on Seminal Stains on Cotton Cloth," Forens. Sci. Intern., Vol. 17: 9-11 (1981).</p> <p>Kafarowski, E., Lyon, A. M. and Sloan, M. M., "The Retention and Transfer of Spermatozoa in Clothing by Machine Washing" Can. Soc. Forens. Sci. J., Vol. 29: 7-11 (1996).</p> <p>Kaye, Sidney, "Acid Phosphatase Test for Identification of Seminal Stains," Journal of Laboratory and Clinical Medicine, Vol. 34: 267-288 (1964),</p> <p>Kind, S. S., "The Acid Phosphatase Test," <u>Methods of Forensic Science</u>, Vol. 3, Interscience Publishers, New York, NY (1964).</p> <p>Kipps, A. E. and Whitehead, P. H., "The Significance of Amylase in Forensic Investigations of Body Fluids," JFS Vol. 6: 1376-144 (1975).</p>	

APPENDIX A: REFERENCES FOR REQUIRED READINGS	Page 4 of 6
TRAINING MANUAL: CASE APPROACH AND IDENTIFICATION OF BIOLOGICAL SUBSTANCES	Amendment Designator:
	Effective Date: 14-March-2006
<p>McCloskey, K. L., et al., "Prostatic Acid Phosphatase Activity in the Postcoital Vagina," JFS, Vol. 20: 630-636 (1975).</p> <p>Moyer, Dean L., et al., "Sperm Distribution and Degradation in the Human Female Reproductive Tract," Journal of Obstetrics and Gynecology, Vol. 35: 831-839 (1970).</p> <p>Nelson, Donald F. and Kirk, Paul L., "The Identification of Saliva," Journal of Forensic Medicine, Vol. 10: 14-21 (1963).</p> <p>Peabody, A. J., Burgess, R. M., and Stockdale, R. E., "Re-examination of the Lugol's Iodine Test," Home Office Central Research Establishment Report No. 412 (Oct. 1981).</p> <p>Philp, T., Guillebaud, J. and Budd, D., "Complications of Vasectomy: Review of 16,000 Patients," British Journal of Urology, Vol 56: 745-748 (1984).</p> <p>Pollack, O. J., "Semen and Seminal Stains – A Review of Methods Used in Medicolegal Investigation," Archives of Pathology, Vol. 35: 140-196 (1943).</p> <p>Poyntz, F. M. and Martin, P. D., "Comparison of P30 and Acid Phosphatase Levels in Post-Coital Vaginal Swabs from Donor and Casework Studies," Forens. Sci. Intern., Vol. 24: 17-52 (1984).</p> <p>Prabhakran, D., et al., "A Rapid Test for Seminal Stain Acid Phosphatase," Journal of Police Science and Administration, Vol. 9: 76-79 (1981).</p> <p>Randell, B., "Glycogenated Squamous Epithelial Cells as a Marker of Foreign Body Penetration in Sexual Assault," JFS, Vol. 33: 511-514 (1988).</p> <p>Rothwell, T. J. and Harvey, K. J., "The Limitations of the Lugol's Iodine Staining Technique for the Identification of Vaginal Epithelial Cells," J. For. Sci. Soc., Vol. 18: 181-184 (1978).</p> <p>Rupp, Joseph C., "Sperm Survival and Prostatic Acid Phosphatase Activity in Victims of Sexual Assault," JFS, Vol. 14: 177-183 (1969).</p> <p>Rushton, Claire, et al., "The Distribution and Significance of Amylase-Containing Stains on Clothing," J. For. Sci. Soc., Vol. 19: 53-58 (1979).</p> <p>Rutter, E. R., Kind, S. S., and Smalldon, K. W., "Estimation of Time Since Intercourse Acid Phosphatase/UV270 Absorbance Ratios," J. For. Sci. Soc., Vol. 20: 271-282 (1980).</p> <p>Schiff, A. F., "Reliability of the Acid Phosphatase Test for the Identification of Seminal Fluid," JFS, Vol. 23: 833-844 (1978).</p> <p>Schiff, Arthur Frederick, "Modification of the Berg Acid Phosphatase Test," JFS, Vol. 14: 538-544 (1969).</p> <p>Schumann, G. Berry, et al., "Prostatic Acid Phosphatase – Current Assessment in Vaginal Fluid of Alleged Rape Victims," American Journal of Clinical Pathology, Vol. 66: 944-952 (1976).</p> <p>Sensabaugh, George F., "Isolation and Characterization of a Semen Specific Protein from the Human Seminal Plasma: A Potential New Marker for Semen ID," JFS, Vol. 23: 106-115 (1978).</p>	

APPENDIX A: REFERENCES FOR REQUIRED READINGS	Page 5 of 6
TRAINING MANUAL: CASE APPROACH AND IDENTIFICATION OF BIOLOGICAL SUBSTANCES	Amendment Designator:
	Effective Date: 14-March-2006
<p>Sensabaugh, George F., "The Acid Phosphatase Test," <u>Proceedings of a Forensic Science Symposium on the Analysis of Sexual Assault Evidence</u>, pp 65-81, U. S. Department of Justice, U. S. Government Printing Office, Washington, DC (1983).</p> <p>Sensabaugh, G. F., "The Quantitative Acid Phosphatase Test: A Statistical Analysis of Endogenous and Postcoital Acid Phosphatase Levels in the Vagina," JFS, Vol. 24: 346-355 (1979).</p> <p>Sharpe, Noble, "The Significance of Spermatozoa in Victims of Sexual Offences," Canad. Med. Assoc. Journal, Vol. 89: 513-514 (1963).</p> <p>Sherins, Robert J. and Brown, Barry L., "Anatomy, Physiology, and Disorders of the Male Reproductive System," <u>Proceedings of a Forensic Science Symposium on the Analysis of Sexual Assault Evidence</u>, pp. 21-43, U. S. Department of Justice, U. S. Government Printing Office, Washington, DC (1983).</p> <p>Silverman, Eugene M. and Silverman, Alida G., "Persistence of Spermatozoa in the Lower Genital Tracts of Women," JAMA, Vol. 240: 1875-1877 (1978).</p> <p>Standefor, J. C. and Street, E. W., "Postmortem Stability of Prostatic Acid Phosphatase," JFS, Vol. 21: 165-172 (1976).</p> <p>Stolorow, Mark D., et al., "Identification of Human Seminal Acid Phosphatase by Electrophoresis," Journal of the Association of Official Analytical Chemists, Vol. 59: 1352-1356 (1976).</p> <p>"To P or Not to P (30, that is...) Saga of a Seminal Protein," Seri Newsletter, No. 7 (December 1981).</p> <p>Wallace-Haagens, Mary Jean, et al., "Recovery of Spermatozoa from Human Vaginal Washings," Fert. And Ster., Vol. 26: 175-179 (1975).</p> <p>Willott, G. M., "An Improved Test for the Detection of Salivary Amylase in Stains," J. For. Sci. Soc., Vol. 14: 341-344 (1974).</p> <p>Willott, G. M. and Allard, J. E., "Spermatozoa-Their Persistence After Sexual Intercourse," Forens. Sci. Intern., Vol. 19: 135-154 (1982).</p> <p>Willott, G. M. and Crosse, M. A., "Detection of Spermatozoa in the Mouth," J. For. Sci. Soc., Vol. 26: 125-128 (1986).</p> <p>Willott, G. M., "L-Tartrate Inhibitable Acid Phosphatase in Semen and Vaginal Secretions," J. For. Sci. Soc., Vol. 12: 363-366 (1972).</p> <p>Wilson, E. F., "Sperm's Morphologic Survival After 16 Days in the Vagina of a Dead Body," JFS, Vol. 19: 7-74 (1974).</p> <p>Yu, He and Diamandis Eleftherios P., "Prostate-Specific Antigen Immunoreactivity in Amniotic Fluid," Clin. Chem., Vol. 41: 204-210 (1995).</p> <p>Yu, He and Diamandis Eleftherios P., "Prostate-Specific Antigen in Milk of Lactating Women," Clin. Chem., Vol. 41: 54-58 (1995).</p>	

APPENDIX A: REFERENCES FOR REQUIRED READINGS	Page 6 of 6
TRAINING MANUAL: CASE APPROACH AND IDENTIFICATION OF BIOLOGICAL SUBSTANCES	Amendment Designator:
	Effective Date: 14-March-2006
<p>Editorial, “Nonprostatic Sources of Prostate-Specific Antigen: A Steroid Hormone-Dependent Phenomenon?” Clin. Chem., Vol. 41: 7-9 (1995).</p> <p style="text-align: center;"><u>EXPERT WITNESS TESTIMONY</u></p> <p>Brownlie, Alistair R., “A Lawyer Looks at Forensic Science: The Expert in Court,” J. For. Sci. Soc., Vol. 18: 5-12 (1978).</p> <p>Burke, John J., “Testifying in Court,” FBI Law Enforcement Bulletin (September, 1975).</p> <p>Cato, B. H., “The Presentation of Scientific Evidence in the Courts – Improving its Effectiveness,” J. For. Sci. Soc., Vol. 14: 93-98 (1974).</p> <p>McCarthy, J. F., “On Playing the Game of Expert Witness in a Two-Value Logic System,” JFS, Vol. 19: 131-135 (1974).</p> <p>Hon. B. Marc Mogil, J. D., “Maximizing Your Courtroom Testimony,” FBI Law Enforcement Bulletin, pp. 7-9 (May 1989).</p> <p>Phillips, K. A., “The ‘Nuts and Bolts’ of Testifying as a Forensic Scientist,” JFS, Vol. 22: 457-463 (1977).</p> <p>Starrs, J. E., “The Ethical Obligations of the Forensic Scientist in the Criminal Justice System,” Journal of AOAC, Vol. 54: 906-914 (1971).</p> <p>Steinmetz, Charles W., “The Expert Witness and Communication Competency,” Identification News, pp. 3-6 (August 1982).</p> <p>Symposium: Ethical Conflicts in the Forensic Sciences</p> <ol style="list-style-type: none"> a. Peterson, Joseph L., “Introduction,” JFS, Vol. 34: 717-718 (1989). b. Lucas, Douglas M., “The Ethical Responsibilities of the Forensic Scientist: Exploring the Limits,” JFS, Vol. 34: 719-729 (1989). c. Giannelli, Paul C. “Evidentiary and Procedural Rules Governing Expert Testimony,” JFS, Vol. 34: 730-748 (1989). d. Peterson, Joseph L. and Murdock, John E., “Forensic Science Ethics: Developing an Integrated System of Support and Enforcement,” JFS, Vol. 34: 749-762 (1989). e. Saks, Michael J., “Prevalence and Impact of Ethical Problems in Forensic Science,” JFS, Vol. 34: 772-793 (1989). <p>Tanton, R. L., “Jury Preconceptions and Their Effect on Expert Scientific Testimony,” JFS, Vol. 24: 681-691 (1979).</p> <p style="text-align: right;">◆END</p>	